2K-Derocryl Lack AgriFlex

High solid high glossy two component topcoat on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane)

Field of application	• Monolayer-duty for agricultural machinery with high quality surface. Good adhesion on zinc and aluminum substrates. • Using in accordance with Dekopaint guideline. Ready to use.
Product properties	• Resistance to chemicals (on request) • Resistance to mineral oils • Resistance to synthetic hydraulic oils • Scratch resistance • Good UV-stability • Good elasticity

Technical Specification

Colours	**RAL 5010**, RAL-colour chart with exceptions, RAL 9006 is possible. Other colours upon request.
Flash point	>23 °C
Temperature stability	-40 up to 140 °C
Gloss	High glossy, appr. 70 U in 20° angle
Potential dry film thickness in one working process	40 up to 80 µm
Mixing ratio	**Hardener HL 116**
(Basis:hardener) by weight	4:1
(Basis:hardener) by volume	3:1
Pot life in hours	2
Viscosity	Appr. 35 sec running time (DIN 4 mm pot)
Density in kg/l	1,23
Solid content in %	68
Solid volume in %	55
Theoretical spreading capacity	• 9,17 m²/l at 60 µm DFT • 7,46 m²/kg at 60 µm DFT
Recommended film thickness	125 µm WFT corresponds to 70 µm DFT
Drying (DIN EN ISO 1517)	60 µm DFT
Dust-dry (Tg1)	After 4 h
Touch-dry (Tg4)	After 10 h
Dry (Tg6)	After 16 h
Cured chemically	After 7 days
Accelerated drying	30 min. at 60°C possible, after 30 min. flash-off time
Interval for overcoating	• after 6 h with itself • Max. after 7 days without slightly sanding
Note	• The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening. • Application below +5 °C is not possible.

Safety information (See Security Data Sheet)

VOC-level	Appr. 394 g/l

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Solvent content	Appr. 30 % by weight
Aromatic content	Appr. 15 % by weight
Storage	
Storage	• In dry, cool rooms, if possible frost-proof • Ensure good ventilation
Shelf life	• 6 month from date of delivery when in unopened original containers in cool and dry conditions
Application methods	
Mixing ratio	• Stirr homogeneous, preferably with mechanical stirrer • Mix base paint and hardener according to the mixing ratio as specified
Airless spraying	• Flow pressure 160 - 200 bar • Spraying angle according to the geometry and size of the object to be laquered
Compressed air spraying	• Can be applied as delivered • Spraying pressure 2 - 4 bar • Nozzle size 1,1 - 1,6 mm
Electrostatic application	• Can be applied as delivered
Dipping	• Can not be applied as delivered
Other methods	• Roller and brush application for repair work is possible
Cleaning	• Rinse immediately with Derozink-Verdünnung
Preparation of support	• Shot blasting to a purity according to SA 2½ • Sweeping for zinced supports • Mill scale, welding residues, dust, soluble residues from chemical pretreatments and zinc reaction products which might reduce adhesion have to be carefully and thoroughly removed
General remarks	• During coating and drying the humidity should be min. 30 % / max. 85 % • During coating and drying the environmental temperature should be min. 5°C / max. 30°C • Object temperature at least 3° C above dew point.
Example for a system	• Primer coat: 2K-Deripox Grund S • Finish coat: 2K-Derocryl Lack AgriFlex

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Product group: PD0475

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